

IR SENSORS

FEEDING SYSTEMS



Infrared Feed Sensing PROVEN TECHNOLOGY

With no moving parts or sensitivity adjustments, the infrared technology built into Cumberland's IR feed sensing products ensures efficient and reliable feed delivery with minimal maintenance and repair costs.

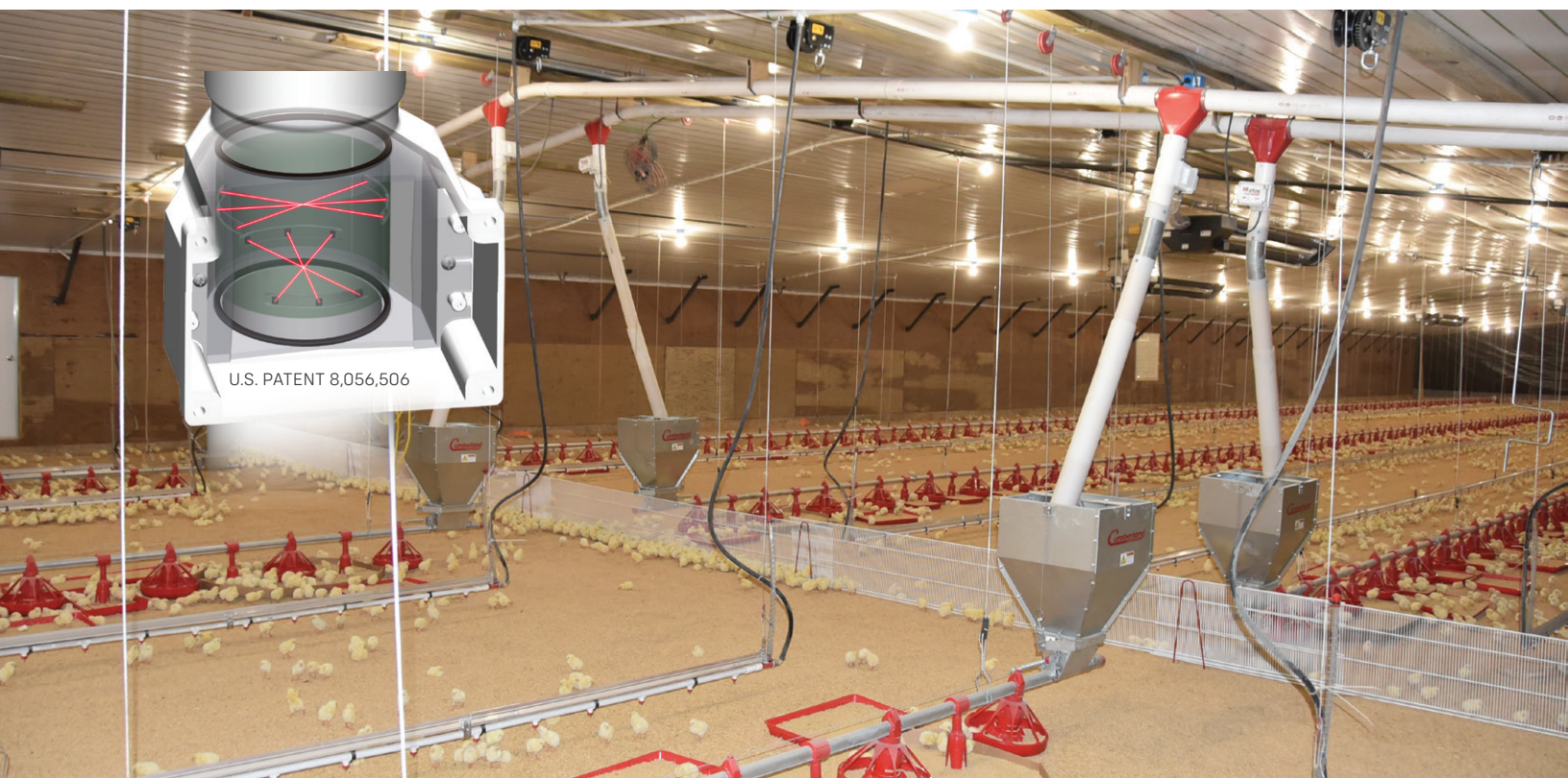
IR-PLUS™ Feed Sensor

The IR-PLUS is specially designed to work hand in hand with Cumberland's Flex-Flo™ feed delivery system and i-PLUS3 Control Pan. This combination of dependable Cumberland products provide gentle feed handling, full hoppers and feed pans that will result in maximum feed efficiency.

- Adjustable time delay prevents the fill system from short cycling, extending motor and auger life
- Infrared sensors accurately detect feed flow to shut fill systems off when the hopper is full
- No moving parts or sensitivity adjustments for low maintenance, accurate feed levels every time
- Easy installation and retrofitable, adapts to nearly all flexible auger systems
- LED lights allow quick verification of operating status



US Patent No. 8,056,506



i-PLUS3 Control Pan

The i-PLUS3 control pan line utilizes infrared technology to sense and detect the level of feed in the control pan for proper and reliable operation, day in and day out.

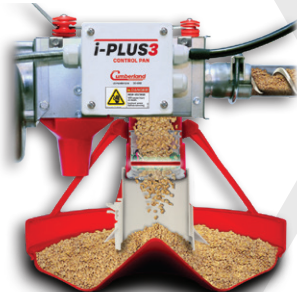
- Reliable feed sensing technology that promotes full pans and healthy birds to maximize feed conversions
- Easy to use with no moving parts or sensitivity adjustments
- Available in several Cumberland feed pan designs including Hi-Lo, E-Feeder, NutraPan, Pro-1, MyPan, and Turkey pan.



US Patent No. 8,915,214



Certification applies to controls



As the i-PLUS3 Control Pan fills, the infrared beams detect the feed level.



When the feed level breaks all three of the infrared sensors, the auger will stop automatically.



When the feed drops below the infrared sensors, the auger will re-start automatically after a 60 second delay.



POWER SUPPLY IS INCLUDED IN THE i-PLUS3 CONTROL PAN FOR AN OPTIONAL LED LIGHT.

IR Hopper Sensor

The Cumberland IR Hopper Sensor uses the same IR sensing technology to manage the feed system hopper levels in your poultry house.

- 12" height adjustment and 360° rotation
- 10 second to 180 minute time delay
- Water and dust tight electrical connection
- Simple bolt attachment makes the unit easy to move between flocks



By adjusting the height and time delay, you can lessen cycle times, reduce feed outages, and the potential for overflow.





For more information, contact your
Cumberland representative or visit
cumberlandpoultry.com